**Custom Service Areas (4006)**

Custom Service Area (CSA) service provides the customer with the capability of defining a specific geographical area from which to receive his client's traffic. CSA is implemented as a blocking function on a per end office basis.

Uniform Access Number is also required for this service.

The CSA feature is provided through translation capabilities associated with a Traffic Operator Position System (TOPS) Tandem switch. Each end office in a LATA is connected to a TOPS Tandem switch through a dedicated one way trunk group.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Custom Service Areas | BS - Custom Service Areas | BSE |

References: not available.

This service, if offered as a BSE, is associated with the Circuit Switched Line or Circuit Switched Trunk basic serving arrangements.

**Customer Changeable Number of Rings (2004**)**

** NOTE - this capability was moved to the main section of the ONA Services User Guide for the July 1996 update.

**Cut Off On Disconnect ****

** NOTE - this capability was moved to the main section of the ONA Services User Guide for the July 1993 update.

**Dial Call Waiting (8030)**

Dial Call Waiting, when used in conjunction with the Distinctive Alert feature, will allow a subscriber (for example, an Enhanced Service Provider) to invoke a distinctive ring or call waiting tone on another line. The feature is initiated by dialing an access code in the form of *XX and the telephone number of the line to be called. For this feature to work, the called line must be equipped with the Distinctive Alert feature. If the line is idle, a distinctive ring will be applied. If the line is busy, the called party will receive a call waiting tone.

Both the line equipped with Dial Call Waiting and the line equipped with Distinctive Alert must be in the same central office switch. Other technical considerations also apply.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Dial Call Waiting | USW - Dial Call Waiting | BSE |

This feature is available in the following central office switches:

| Switch Type | 5ESS |
|---|---|
| Earliest Generic Release | 5E2 |

This service, if offered as a BSE, is associated with the Circuit Switched Line basic serving arrangement.

**Dialed Number Identification via INWATS to DID (4011,5015)**

Dialed Number Identification Service on 800 Service (also known as INWATS Directed to DID trunks), is a service for use in conjunction with an ESP's voice grade trunk (DID) circuit switched basic serving arrangement. Incoming 800 Service calls are terminated over DID trunks, thereby indicating the 800 number that was dialed by the calling party. The ESP knows the station number associated with each 800 number so when it receives the station number over the DID trunk it can identify the 800 number called. [Note: 888 is now equivalent to 800.]

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Dialed Number Identification Via INWATS to DID* | BS - 800 Service to DID Service | BSE or CNS |
| | NX - DNIS On 800 | BSE |

References: not available

This service, if offered as a BSE, is associated with the Circuit Switched Trunk serving arrangement.

* U S WEST withdrew their offering for this service in the 5/19/89 ONA Plan Amendments.

**DID Load Across Wire Centers (5011)**

This capability enables an ESP with multiple wire centers to provision the same Direct Inward Dialing (DID) numbers at duplicate wire centers. The DID number will reside at the normal serving wire center. The wire centers must be connected by 1.544 Mbps interoffice facilities.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| DID Load Across Wire Centers | NX - DID/DOD Disaster Recovery Service | BSE |

FEATURE OPERATION:

This feature is activated in the event of a failure in the loop between the normal wire center and the customer premises. Incoming calls to lines connected to the normal wire center will be rerouted over the 1.544 Mbps interoffice trunks to the alternate wire center for completion. PBX customers obtain DID service from their normal serving wire center and an alternate wire center designated by the telephone company. DID service from the normal wire center and the alternate wire center will share an NXX that will reside at the normal wire center.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

| Switch Type | 5ESS | DMS-100 |
|---|---|---|
| Earliest Generic Release | 5E2 | BCS27 |

2. Outgoing calls from the alternate wire center will not be affected. Lines connected to the normal wire center will be out of service.

**Directed Call Pickup With Barge-In (8033)**

Directed Call Pickup With Barge-In allows a subscriber to pick up a call which has been answered or is ringing on another line. This feature is initiated by dialing an access code in the form of *XX and the telephone number of the line to be picked up. If the line to be picked up is in the ringing state, a connection is established between the line originating Directed Call Pickup With Barge-In and the line that originated the incoming call. If the line to be picked up has answered the incoming call, a three way connection is established between the line initiating the pickup, the originating line and the called line.

Both the line originating the pick up and the line to be picked up must be equipped with the service and must be in the same central office switch. Other technical considerations also apply.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Directed Call Pickup With Barge-In | USW - Directed Call Pickup With Barge-In | BSE |

This feature is available in the following central office switches:

| Switch Type | 5ESS |
|---|---|
| Earliest Generic Release | 5E2 |

Reference:

- TR-TSY-00590 Call Pickup Features, FSD 01-02-2800, Issue 1, July 1989

This service, if offered as a BSE, is associated with the Circuit Switched Line basic serving arrangement.

**Directed Call Pickup Without Barge-In (8032)**

Directed Call Pickup Without Barge-In allows a subscriber to pick up a call which is ringing on another line. This feature is initiated by dialing an access code in the form of *XX and the telephone number of the line to be picked up. If the line to be picked up is in the ringing state, a connection is established between the line originating Directed Call Pickup Without Barge-In and the line that originated the incoming call. If the line to be picked up has answered the incoming call, busy tone is returned to the line that originated the Directed Call Pickup Without Barge-In feature.

Both the line originating the pick up and the line to be picked up must be equipped with the service and must be in the same central office switch. Other technical considerations also apply.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Directed Call Pickup Without Barge-In | USW - Directed Call Pickup Without Barge-In | BSE |

This feature is available in the following central office switches:

| Switch Type | 5ESS |
|---|---|
| Earliest Generic Release | 5E2 |

Reference:

- TR-TSY-00590 Call Pickup Features, FSD 01-02-2800, Issue 1, July 1989

This service, if offered as a BSE, is associated with the Circuit Switched Line basic serving arrangement.

**Distinctive Alert (8031)**

Distinctive Alert, when used in conjunction with the Dial Call Waiting feature, will allow a subscriber (for example, an Enhanced Service Provider's client) to be notified of certain incoming calls. When called from a line equipped with the Dial Call Waiting feature, a distinctive ring will be provided if the line is idle and a call waiting tone will be heard if the line is busy.

Both the line equipped with Distinctive Alert and the line equipped with Dial Call Waiting must be in the same central office switch. Other technical considerations also apply.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Distinctive Alert | USW - Distinctive Alert | BSE |

This feature is available in the following central office switches:

| Switch Type | 5ESS |
|---|---|
| Earliest Generic Release | 5E2 |

This service, if offered as a BSE, is associated with the Circuit Switched Line basic serving arrangement.

**Faster Signaling On DID ****

** NOTE - this capability was moved to the main section of the ONA Services User Guide for the July 1993 update.

**Flexible ANI Information Digits ****

** NOTE - this capability was moved to the main section of the ONA Services User Guide for the July 1993 update.

**Monthly Call Detail Recording (4023)**

This capability is an arrangement to provide a customer with a monthly record of terminating calls to a specific customer number. The customer is provided with call detail information such as: calling telephone number, the customer specified number, date, time of day and call duration.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Monthly Call Detail Recording | BS - Call Detail Information | BSE |

FEATURE OPERATION:

The customer subscribes to a service utilizing a unique NXX code. The unique NXX code is used to route calls for that NXX to the TOPS switch for recording. The billing process separates the recorded messages by line number and prepares a magnetic tape for each customer requesting a detailed record of the calls to his number.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. Call detail includes the customer's number, the originating number, date, time of day and call duration.

2. Data is provided on magnetic tape. The tape density and number of tracks will be that used by the program and data processing system in use by the LEC's accounting center furnishing the tape.

3. A magnetic tape will be provided by the LEC on each occasion that the call information is furnished to the customer. The tape becomes the property of the customer and may not be returned to the LEC for reuse.

4. References:

   - None

**Multiplexing - T1 Transport - 1.544 Mbps - Line Side (8024)**

This provides the ESP with a digital 1.544 Mbps facility at their premises that is then available to provide for 24 Line Circuit Switched Basic Serving Arrangements. The interface is capable of transmitting electrical signals at a nominal 1.544 Mbps rate, with the capability to channelize 24 voice frequency transmission paths. When utilizing analog terminations, either in analog or digital switching systems, the BOC will provide multiplex and/or channel bank equipment to derive 24 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When utilizing digital terminations, either in analog or digital switching systems, the BOC will provide a DS1 signal in D3/D4 format. All service will be provided with individual transmission path bit stream supervisory signaling.

All circuit switched BSAs on the individual DS1 facilities must be uniform in that they must all terminate in the same suitably equipped circuit switch. The individual 24 circuit switched BSAs must all be of the same equipment type, i.e., lines and trunks cannot be mixed.

This service will be provided on an individual case basis.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Multiplexing - T1 Transport - 1.544 Mbps - Line Side | USW - Interface Group 6 | BSE |

Reference: LSSGR FR-64 (formerly FR-NWT-000064), LSSGR: Common Section 10, System Interfaces, Issue 2, July 1987, Revision 1 - October 1995, Revision 2 - August 1996, Module TR-TSY-000510.

This service, if offered as a BSE, is associated with the Circuit Switched Line serving arrangement.

**Multiplexing - T1 Transport - 1.544 Mbps - Trunk Side (5013)**

This provides the ESP with a digital 1.544 Mbps facility at their premises that is then available to provide up to 24 Circuit Switched Trunk Basic Serving Arrangements. When utilizing analog network terminations, the telephone company will provide multiplex and/or channel bank equipment to multiplex 24 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz into a DS1 signal. When utilizing digital network terminations, the telephone company will provide a DS1 signal.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Multiplexing- T1 Transport - 1.544 Mbps - Trunk Side | NX- Circuit Switched Trunk With T1 Transport | BSE or CNS |

Reference: LSSGR FR-64 (formerly FR-NWT-000064), LSSGR: Common Section 10, System Interfaces, Issue 2, July 1987, Revision 1 - October 1995, Revision 2 - August 1996, Module TR-TSY-000510.

This service, if offered as a BSE, is associated with the Circuit Switched Trunk serving arrangement.

**Name of Calling Party (formerly 4024) ****

** NOTE - this capability was moved to the main section of the ONA Services User Guide for the July 1995 update.

**Priority Installation Service (4013)**

This service provides the ESP, on an optional basis, priority installation.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Priority Installation Service | BS - Expedited Order | BSE or CNS |

FEATURE OPERATION:

An ESP may request that the installation service order be expedited. The ESP will incur the Expedited Order Charge to obtain the expedited service date.

References: not applicable.

**Remote Call Forwarding (3004,4019,5014,8025)**

Remote Call Forwarding (RCF) is a service that utilizes a Directory Number (DN) to automatically forward all incoming calls to another DN. The forwarded to number can be in the same central office switch or in another central office switch.

The remote call forwarding directory number is not directly associated with an access connection arrangement, but rather is a software translation programmed within the central office switch. All calls dialed to that directory number will forward to another number automatically. The subscriber to this capability does not have a station set for termination of calls made to their remote call forwarding number.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Remote Call Forwarding | BA - Remote Call Forwarding | CNS |
| | BS - Remote Call Forwarding | CNS |
| | NX - Remote Call Forwarding | CNS |
| | USW - Market Expansion Line | BSE |

Reference: LSSGR FR-64 (formerly FR-NWT-000064), FSD 01-02-1402, Remote Call Forwarding, TR-TSY-000581, Issue 1, October 1989.

This service, if offered as a BSE, is associated with the Circuit Switched Line serving arrangement.

**Selective Call Acceptance (6003) ***

*** This service was removed by Pacific Bell. It was identified by Pacific Bell & Nevada Bell Third Further Amendment to Plan to Provide ONA, April 15, 1991, and in the Alternative Petition for Waiver, Transmittal 1553, page 16, as a service that is still under development.**

**Service Code Denial On Line Or Hunt Group (6005)**

This screening option disallows completion of terminating calls to local directory assistance (411, 555-1212), to service codes 611 and 911, and to local operator assistance (0-, 00-). Blocked calls are routed to a reorder tone or a recorded announcement.

Service Code Denial On Line Or Hunt Group is useful to 900 services and the ESP industry for fraud control.

This feature is provided in all electronic end offices and, where available, in electro-mechanical end offices.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Service Code Denial On Line Or Hunt Group | PB - Service Code Denial On Line Or Hunt Group | BSE |

Reference: GR-334, Switched Access Service: Transmission Parameter Limits and Interface Combinations, Issue 1, June 1994 (replaces TR-NWT-000334, Issue 3).

This service, if offered as a BSE, is associated with the Circuit Switched Line serving arrangement.

**Single Number Access For Multiple Locations (formerly 4025) ****

** NOTE - this capability was moved to the main section of the ONA Services User Guide for the July 1995 update.

**Surrogate Client Number (4002)**

This capability provides a method for customers of an ESP to have a "presence" in the ESP's serving office as a "virtual telephone number." This capability will allow an ESP to identify the "calling number" of customers served by central offices where demand is insufficient to justify a Foreign Central Office (FCO) arrangement for calling number identification services such as SMDI that are currently limited by technology to intraoffice applications only.

This capability is presently only feasible from 1A ESS switches. This capability cannot be used with Call Forwarding Don't Answer to a DID number. This capability is limited to intraoffice operation.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Surrogate Client Number | BS - Surrogate Client Number | BSE |

Reference: LSSGR FR-64 (formerly FR-NWT-000064), FSD 01-02-1402, Remote Call Forwarding, TR-TSY-000581, Issue 1, October 1989.

This service, if offered as a BSE, is associated with the Circuit Switched Line serving arrangement.

**Switched 56 Kilobit Service (3019,4021,5036)**

Switched 56 Kilobit Service enables subscribers to transmit and receive data at the rate of 56 kilobits per second. Customers requiring InterLATA/Interstate transport can subscribe to an Interexchange Carrier that has Switched 56 Kilobit Service connectivity. The telephone company may offer Switched 56 Kilobit Access Service using Feature Group D protocol arrangements.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Switched 56 Kilobit Service | BA - Switched 56 Kilobit Service | BSA |
| | BS - AccuPulse® | BSA |
| | NX - Switchway | BSA |

FEATURE OPERATION:

Customers establish calls by dialing 7 or 10 digits as they would for a POTS call. Calls can only terminate to another Switched 56 line and cannot be used for normal voice communications.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

| Switch Type | 1A ESS | 5ESS |
|---|---|---|
| Earliest Generic Release | 1AE8 | 5E6 |

2. This service is offered from specially equipped 1A ESS and 5ESS switches using facilities that are designed to accommodate 56 kilobits per second, full duplex, synchronous transmission. Remote access arrangements are available for customer locations not within the local wire center area of the specially equipped switches.

3. Subscriber loops from the local central office to customers' premises must be 4-wire, non-loaded facilities that can be designed to meet the specifications of Digital Data Service.

4. Interoffice facilities are specially equipped and are dedicated to the transport of Switched 56 Kilobit Service traffic. Access facilities are also specially equipped and dedicated to Switched 56 Kilobit Service.

5. Customers' CPE must be Accunet Compatible.

® AccuPulse is a registered service mark of BellSouth Corporation.

6. References:

   - GR-334 Switched Access Service: Transmission Parameter Limits and Interface Combinations, Issue 1, June 1994 (replaces TR-NWT-000334, Issue 3).

   - Digital Data System Channel Interface Specification, September 1983 (MDP-326-726).

This service is associated with the Circuit Switched Trunk basic serving arrangement.

**Third Number Billing Inhibited (4012,7067)**

This capability provides Enhanced Services Providers (ESPs) with the ability to prevent third number calls from being billed to their switched access billing accounts, (e.g., DID numbers). This capability is provided by the operating procedures of a BOC providing operator services capabilities.

When a call is made to a BOC operator services system, and the caller requests the charges be billed to a third number, the operator makes a call to the third number for verification that the charges will be accepted. If no answer is received when the third number is called for verification of billing acceptance, the bill to third request is rejected.

In some areas, when a call is made to a BOC operator services system, and the caller requests the charges be billed to a third number, the operator queries the Line Information Database (LIDB) to determine the billed party's preference concerning bill to third number requests. If the information in the LIDB indicates to always reject bill to third party attempts, then the bill to third request is rejected.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Third Number Billing Inhibited | BS - Billed Number Screening * | BSE or CNS |
| | SWB - Billed Number Screening | CNS |

Reference: FR-271 (replaces FR-NWT-000271) OSSGR Operator Service Systems Generic Requirements. See FSD 85-01-0300 for information about Third Number Billing, see GR-1177-CORE OSSGR: Special Billing Features (FSD 85 Series), Issue 1, June 1997.

* This capability is available throughout the BellSouth region upon customer request.

**Three Way Calling (3020,4020,5019,8028)**

Three Way Calling (TWC) allows a customer to add a third party to an existing conversation without operator assistance. The party initiating TWC may hold one party with privacy exclusion while dialing and talking with another party and can later include the held party in TWC.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Three Way Calling | BA - Three Way Calling | BSE |
| | BS - Three Way Calling | CNS |
| | NX - 3 Way Calling | BSE |
| | USW - Three Way Calling | BSE |

FEATURE OPERATION:

A customer subscribing to TWC is able to add a third party to a stable call regardless of which party originated the call. The subscribing customer flashes his switch-hook, receives recall dial tone, dials the third party, and flashes the switch-hook again. The third party may be added to the call while the station is receiving ringing or the subscribing customer may speak with the third party in private prior to adding the third party to the stable call.

The third party will be disconnected from the call if the party initiating the TWC flashes the switch-hook.

If the party initiating the TWC disconnects, all parties are disconnected.

If a party other than the party initiating the TWC disconnects, the remaining two parties may continue the call.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

| Switch Type | 1A ESS | 5ESS | DMS-100 |
|---|---|---|---|
| Earliest Generic Release | 1AE8 | 5E2 | BCS17 |

2. Recursive use of TWC is limited only by resources of the switching system and transmission capabilities (A adds on B, B adds on C, C adds on D, etc.)

3. Dialing restrictions of a station continue in effect when dialing a party to be added on.

4. Speed Calling can be used when adding a party.

5. The initiator of TWC should not receive a Call Waiting tone. Other parties on the call can receive and respond to a Call Waiting tone.

6. Either or both legs of a three way call may be an interexchange or international call.

7. TWC is not available on lines with two or more parties.

8. References:

   - LSSGR FR-64 (formerly FR-NWT-000064), FSD 01-02-1301, Three-Way Calling, Issue 1, July 1989, Revision 1, September 1990, Module TR-TSY-000577.

This service, if offered as a BSE, is associated with the Circuit Switched Line serving arrangement.

**Traffic Data Reports (4016,5012,8016)**

This capability will provide ESPs with periodic (e.g., weekly) printed summaries of traffic data on their network facilities that are associated with central office switches. Traffic data reports include traffic information such as number of call attempts (peg count), number of blocked calls (overflow), and usage by ESP trunk group (minutes of use). The standard methods for delivering this information are paper printouts or magnetic tape in a standard format.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Traffic Data Reports | BS - Access To Traffic Data/Network Usage Information Service | BSE |
| | NX - Trunk Group Measurement Reports | BSE |
| | USW - Traffic Data Report Service | BSE |

References:

- TR-NWT-000335 Voice Grade Special Access Service - Transmission Parameter Limits and Interface Combinations, Issue 3, May 1993
- Also see Recommendation X.25 of the ITU-TS [formerly CCITT] Red Book.

This service, if offered as a BSE, may be associated with the Circuit Switched Line or Trunk basic serving arrangements.

**Transmission Improvement for Circuit Switched Services (8012)**

This capability provides the ESP with a high quality transmission line for use on local switched service. It provides transmission performance between 0 and 4 db at 1000 Hz between the network interface at the subscriber's location and the serving central office switch.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Transmission Improvement for Circuit Switched Services | USW - Improved Transmission Performance | BSE |

References: GR-334 Switched Access Service: Transmission Parameter Limits and Interface Combinations, Issue 1, June 1994 (replaces TR-NWT-000334, Issue 3).

This service, if offered as a BSE, is associated with the Circuit Switched Line basic serving arrangement.

**Uniform Access Numbers for Business Lines (4010)**

This service provides the ESP with the capability of using a single seven digit telephone number throughout the BellSouth region, Operating Company, State, Local Access and Transport Area (LATA), or NPA. The ESP's traffic is delivered to one location per Traffic Operator Position System (TOPS) Tandem switch per LATA.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Uniform Access Numbers for Business Lines | BS - Uniform Access Numbers | BSE |

FEATURE OPERATION:

The ESP's Uniform Access Number (UAN) traffic is delivered from the originating end office to the associated TOPS Tandem switch over a dedicated trunk group. The TOPS Tandem switch provides the translation and routing functions required to support the service. The ESP's clients will dial the UAN, which will be routed to the associated TOPS Tandem switch. The TOPS Tandem switch translates the UAN and then routes the traffic to the ESP's location. The UAN service is required to support the Automatic Number Identification (ANI) and Custom Service Areas (CSA) basic service elements.

The originating end office translations are set to route the UAN traffic using a unique NXX as a trigger. The 440 NXX will serve the BellSouth region, the 530 NXX will serve South Central Bell only, and the 930 will serve Southern Bell only.

A dedicated one way trunk group from each of the TOPS Tandem switch subtending end offices is used to deliver the UAN traffic to the TOPS Tandem switch. This trunk group is designed to deliver the called number (UAN) and calling line ANI to the TOPS Tandem switch. The Operator Services Signaling (OSS) protocol is used to deliver the information over the trunk group.

The TOPS Tandem switch collects the incoming information and translates the UAN to determine how the call should be handled.

The UAN calls can be delivered to the ESP either through the normal circuit switched network or using dedicated trunks from the TOPS to the ESP's location. If ANI delivery is desired, the trunk side option is required.

At the present time, this service will only be offered to ESPs through the General Subscriber Services Tariff (GSST).

References: not available

This service, if offered as a BSE, is associated with the Circuit Switched Line or Circuit Switched Trunk basic serving arrangements.

## 3. Appendix 1 - Region Specific Services - Technical Descriptions for Packet Switched Access Arrangements

### Abbreviated Call - Packet (8036)

This capability allows the customer to access predefined addresses by utilizing a predesignated unique alphanumeric character(s) in lieu of the normal call initiation process. The port is not limited to sole access of the predefined address when normal call initiation procedures are followed.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Abbreviated Call - Packet | USW - Abbreviated Call - Packet | CNS |

**Default Window Size - Packet (5022,8007)**

This permits the customer to select a nonstandard default window size of three in one or both directions of transmission. If nonstandard default window sizes are not selected, the default window size of two will apply to both directions of transmission. Default window sizes are set at subscription time.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Default Window Size - Packet | NX - Default Window Size | BSE or CNS |
| | USW - Nonstandard Window Size - Packet | BSE |

Reference PPSNGR GR-301, Issue 2, December 1997 (replaces TR-TSY-301, Issue 2).

This service is associated with the Packet Switched X.25 and X.75 basic serving arrangements.

**Flow Control Parameter Negotiation - Packet (8003)**

Flow control allows the data receiver to limit the rate at which it accepts data by controlling the window size and maximum packet size for each direction of transmission. Negotiation is done on a per call basis during the call setup.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Flow Control Parameter Negotiation - Packet | USW - Flow Control Parameters (Packet) | BSE |

Reference PPSNGR GR-301, Issue 2, December 1997 (replaces TR-TSY-301, Issue 2).

This service, if offered as a BSE, is associated with the Packet Switched X.25 and X.75 basic serving arrangements.

**Incoming Calls Barred - Packet (5024,8001)**

Incoming Calls Barred allows the customer the option to prevent incoming virtual circuit calls from being sent to their data terminal equipment (DTE). When used in conjunction with a Closed User Group (CUG) this feature prevents individual members of the CUG from receiving calls from outside of the CUG. This option will allow call origination only.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Incoming Calls Barred - Packet | NX - Incoming Calls Barred | BSE or CNS |
| | USW - CUG Incoming Access Barred (Packet) | BSE |

Reference PPSNGR GR-301, Issue 2, December 1997 (replaces TR-TSY-301, Issue 2).

This service, if offered as a BSE, is associated with the Packet Switched X.25 and X.75 basic serving arrangements.

**Logical Channels - Packet (8005)**

Logical Channels capability allows the data terminal equipment (DTE) to derive multiple logical channels from a single physical access line. This is accomplished by specifying the logical channel number on every packet which crosses the network interface.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Logical Channels - Packet | USW - Logical Channel (Packet) | BSE |

Reference PPSNGR GR-301, Issue 2, December 1997 (replaces TR-TSY-301, Issue 2).

This service, if offered as a BSE, is associated with the Packet Switched X.25 and X.75 basic serving arrangements.

**Logical Channel Layout - Packet (8004)**

This capability permits the arrangement of logical channels to be configured as incoming, outgoing, two way and/or private virtual circuit. The logical channel layout is established at subscription time.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Logical Channel Layout - Packet | USW - Logical Channel Layout (Packet) | BSE |

Reference PPSNGR GR-301, Issue 2, December 1997 (replaces TR-TSY-301, Issue 2).

This service, if offered as a BSE, is associated with the Packet Switched X.25 and X.75 basic serving arrangements.

**Menu Server - Packet (7000)**

This service is no longer offered by Southwestern Bell.

**Multiple Network Addresses/Port - Packet (3001,5027,8006)**

This capability allows more than one network address to be assigned to a single access port. Multiple addresses can be purchased in blocks, up to a maximum number of 1000. Messages are delivered according to predetermined customer specifications.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Multiple Network Addresses/Port | BA - Multiple Network Addresses (Packet) | BSE |
| | NX - Multiple Network Addresses/Port | BSE or CNS |
| | USW - Multiple Network Addresses (Packet) | BSE |

Reference: Bell Atlantic Technical Reference 72211, Interface Specification for the Bell Atlantic Public Data Network, Issue C, December 1991.

This service, if offered as a BSE, is associated with the Packet Switched X.25 basic serving arrangement.

**Outgoing Calls Barred (5028,8002)**

This capability allows the customer the option to prohibit outgoing virtual calls for their data terminal equipment (DTE). When used in conjunction with a Closed User Group (CUG) this feature prevents individual members of the CUG from establishing calls outside of the CUG. This option will allow the receipt of incoming virtual circuit calls only.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Outgoing Calls Barred - Packet | NX - Outgoing Calls Barred | BSE or CNS |
| | USW - CUG Outgoing Access Barred (Packet) | BSE |

Reference PPSNGR GR-301, Issue 2, December 1997 (replaces TR-TSY-301, Issue 2).

This service, if offered as a BSE, is associated with the Packet Switched X.25 and X.75 basic serving arrangements.

**Permanent Virtual Circuit - Packet (5029,8008)**

Permanent virtual circuits are the electronic equivalent of a private line between two points. At the customer's option, a virtual circuit is established between two customer data terminal locations (DTEs) within the network on a dedicated basis. These two locations are electronically connected, operating similar to a private line between the two points. The association between the two DTEs is established via service provisioning.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Permanent Virtual Circuit - Packet | NX - Permanent Virtual Circuit | BSE or CNS |
| | USW - Permanent Virtual Circuit (Packet) | BSE |

Reference PPSNGR GR-301, Issue 2, December 1997 (replaces TR-TSY-301, Issue 2).

This service, if offered as a BSE, is associated with the Packet Switched X.25 and X.75 basic serving arrangements.

**Reverse Charge Request Option (Packet) (5030,8009)**

Reverse charging allows the originating user to request that the call be charged to the called party during call setup. The reverse charging call request is delivered to the called party only when their data terminal equipment (DTE) is configured for Reverse Charge Acceptance. If the terminating DTE does not subscribe to Reverse Charge Acceptance, the call will be cleared.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Reverse Charge Request Option (Packet) | NX - Reverse Charge Request | BSE or CNS |
| | USW - Reverse Charge Option (Packet) | BSE |

Reference PPSNGR GR-301, Issue 2, December 1997 (replaces TR-TSY-301, Issue 2).

This service, if offered as a BSE, is associated with the Packet Switched X.25 basic serving arrangement.

## 4. Appendix 1 - Region Specific Services - Technical Descriptions for Dedicated Access Arrangements

### Access To Customer Premises Announcement (5035)

This feature allows an ESP to furnish customized announcement services to an Automated Call Distribution customer. ACPA connects callers in the ACD queue to customer provided announcements or music. Using this feature the ESP can provide and manage announcements on behalf of the customer. The ESP requires private line access for each ACPA arrangement.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Access To Customer Premises Announcements | NX - Customized Announcement Service | BSE |

FEATURE OPERATION:

The ESP furnishes an announcement to the ACPA port over a private line. The ACD will automatically connect a caller in queue to the ACPA port when the feature is present.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

| Switch Type | DMS-100 |
|---|---|
| Earliest Generic Release | BCS36 |

2. This is a feature of Automatic Call Distribution.

**Access To Order Entry System (4004)**

This capability will allow ESPs to provide basic ordering information to the business office through a mechanized interface.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Access To Order Entry System | BS - Administrative Management Service (AMS) | BSE or CNS |

FEATURE OPERATION:

A new offering, currently using the BellSouth project name of Administrative Management Service (AMS), will provide a mechanized interface for customers to provide service ordering information to the appropriate business office.

This service will be offered on a dial-up or dedicated basis. The ESPs will not have direct access to the Order Entry System, but will have access through the AMS front-end processor. The front-end processor will provide the necessary security and information screening.

References: not available.

This service, if offered as a BSE, is associated with the Access To Operations Support Systems Information BSE (which is associated with the Dedicated Digital (< 64 kbps) basic serving arrangement).

**DS0-B Subrate Multiplexing Service (4015)**

DS0-B Subrate Multiplexer (SRM) service provides time division multiplexing of multiple client digital derived data channels into a single standard interface for efficient interconnection to an ESP.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| DS0-B Subrate Multiplexing Service | BS - DS0-B Interface | BSE or CNS |

FEATURE OPERATION:

Service is established via a service order placed by the ESP with the local operating company. Appropriate dedicated transport facilities (including local channel and applicable interoffice mileage elements) are also ordered for access to the SRM. The ESP negotiates and makes arrangements with its clients to connect their individual derived data channels to the SRM. These orders must be coordinated with the ESP in order to ensure adequate facilities are available and appropriate channel assignments, as specified by the ESP, are made.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This capability is independent of central office switch type.

2. The DS0-B SRM is interconnected to the ESP's client via an appropriate derived data channel service in the local serving office.

3. The ESP interconnects to the DS0-B SRM via an appropriate four-wire dedicated transport facility.

4. The DS0-B signal is a standard DDS signal as specified in Bellcore Technical Advisory TA-TSY-00280.

References:

See BellSouth documents TR73548 "Derived Channel Access Service Digital Data Over Voice Network Interface Specifications", Issue 1 June 1990 and Addendum 1 March 1991.

This service, if offered as a BSE, is associated with the Dedicated Derived Channel BSA.

**High Capacity Digital Hand-Off Service (3026)**

High Capacity Digital Hand-Off Service carries voice grade local exchange and Channel Services between the customer's serving central office and the customer's compatible premises equipment using a DS1 facility with the D4 format. Up to 24 local exchange voice and Channel Services can be supported on the facility. The facility is handed-off to the customer in the D4 format.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| High Capacity Digital Hand-Off Service | BA - High Capacity Digital Hand-Off Service | BSE |

FEATURE OPERATION:

At the time the service is ordered the customer must designate which services are to be carried on each of the 24 channels in the DS1 facility. Future additions and changes to channel assignments must be coordinated with the Telephone Company.

Where the serving central office is a digital switch, the facility may run from the customer's high capacity interface directly into the central office switch. Only DID trunks may be carried over this directly connected facility.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. The High Capacity Digital Hand-Off facility is a digital channel operating at a transmission speed of 1.544 Mbps. It is a simultaneous two-way transmission media using serial, bipolar, return-to-zero, isochronous, alternating mark inversion format.

2. 1000 Channel metallic services and Digital Data Service may not be transported over these facilities.

3. Reference: GR-54 DS1 High-Capacity Digital Service End User Metallic Interface Specifications, Issue 1, December 1995 (replaces TR-NPL-000054, Issue 1)

This service is a BSE associated with the Dedicated High Capacity Digital (1.544 Mbps) Basic Serving Arrangement in the local exchange tariff and an alternative of Line Side BSA in the access tariff.

**Inband Signaling (3018)**

Inband Signaling provides the ability to order analog voice grade Special Access circuits with signaling arrangements as described in TR-NWT-000335.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Inband Signaling | BA - Inband Signaling | BSE |

Reference:

- TR-NWT-000335 Voice Grade Special Access Service - Transmission Parameter Limits and Interface Combinations, Issue 3, May 1993
- MDP-326-584 - Table 4 Data Communications Using Voiceband Private Line Channels, Issu1 1, October 1973

This service, if offered as a BSE, is associated with the Dedicated Voice Grade basic serving arrangement.

**Line Monitor Service (3027)**

*Note - this service was removed from the January 1996 issue of the ONA Services User Guide. It is no longer being offered.*

**Multiplexing - Digital (2000,2001,2002,2018,3005,4007,5034,7034,8013)**

Multiplexing is a technique that uses a single transmission facility to provide several transmission channels, such as by sharing the time slots of the channel (time-division multiplexing) or superimposing many frequencies at the same time (frequency-division multiplexing) in order that many signal sources and links may communicate during a given time period. This capability may include multiplexing such as:

— DS0 To Subrates - This capability provides for the time division multiplexing of multiple digital data signals operating at the subrate speeds of 2.4 Kbps, 4.8 Kbps, or 9.6 Kbps with a 64 Kbps DS0 digital signal.

— Multiplexing - DS1/Analog or DS0 - This capability provides for the pulse code modulation and/or time division multiplexing of multiple analog voice and/or multiple 64 Kbps DS0 digital signals into a 1.544 Mbps data stream for the purposes of reducing the number of transmission links required between two points.

— Multiplexing - DS1 To DS0 - This capability provides for the time division multiplexing of up to twenty-four 64 Kbps DS0 digital signals into a 1.544 Mbps DS1 digital signal.

— Multiplexing - DS1 To Voice Grade - This capability provides for the pulse code modulation and time division multiplexing of up to twenty-four 4 Khz voice grade channels into a 1.544 Mbps DS1 digital signal.

— Multiplexing - DS3/DS1 - This capability provides for the time division multiplexing of up to twenty-eight 1.544 Mbps DS1 digital signals into a 44.736 Mbps DS3 digital signal.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Multiplexing - Digital | AM - Ameritech DS1 to DDS/DS0 Multiplexing | BSE |
| | AM - Ameritech DS1 to Voice/Ameritech Base Rate Multiplexing | BSE |
| | AM - Ameritech DS3 to Ameritech DS1 Multiplexing | BSE |
| | AM - DS0 To Subrate Multiplexing | BSE |
| | BA - Multiplexing | BSE |
| | BS - DS1/Analog or DS0 Multiplexer | BSE or CNS |
| | BS - DS3/DS1 Multiplexer | BSE or CNS |
| | NX - DS3/DS1 Multiplexer | BSE |
| | SWB - Multiplexing | BSE |
| | USW - Multiplexing | BSE |

References:

- TR-TSY-000009 Asynchronous Digital Multiplexes Requirements and Objectives, Issue 1, May 1986.
- TR-TSY-000010 Synchronous DS3 Add-Drop Multiplex (ADM 3/X) Requirements and Objectives, Issue 1, February 1988.
- Ameritech - See GA-342 High Capacity Digital Special Access Service Transmission Parameter Limits and Interface Combinations, Issue 1, December 1995 (replaces TR-INA-000342, Issue 1)

This service, if offered as a BSE, is associated with the Dedicated Voice Grade and the Dedicated High Capacity basic serving arrangements.

For Ameritech, DS1 to DDS/DS0 and DS1 to Voice/Base Rate are associated with Dedicated High Capacity Digital (1.544 Mbps) type BSA; DS3 to DS1 is associated with Dedicated High Capacity Digital (>1.544 Mbps) type BSA.

DS3/DS1 multiplexer is associated with the Dedicated Digital 45 Mbps BSA.

**Route Diversity ****

** NOTE - this capability was moved to the main section of the ONA Services User Guide for the July 1993 update.

**User Initiated Diagnostics (4009)**

This capability will allow ESPs to electronically report and check the status of local and access, circuit and line troubles into support systems. Customers may also receive hard copy printouts.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| User Initiated Diagnostics | BS - Administrative Management Service (AMS) | BSE or CNS |

FEATURE OPERATION:

A new offering, currently using the BellSouth project name of Administrative Management Service (AMS), will provide a mechanized interface for customers to access this service.

This service will be offered on a dial-up or dedicated basis. The ESPs will not have direct access to the Order Entry System, but will have access through the AMS front-end processor. The front-end processor will provide the necessary security and information screening.

References: not available.

This service, if offered as a BSE, is associated with the Access To Operations Support Systems Information BSE (which is associated with the Dedicated Digital (< 64 kbps) basic serving arrangement).

## 5. Appendix 1 - Region Specific Services - Technical Descriptions for Dedicated Network Access Link Serving Arrangements

**Expedited Testing Service ***

* *Note - this service was deleted due to technical difficulties.*

**Message Waiting Indicator Activation (Visual) - Expanded**

** NOTE - this service was formerly 2003, but is now service 1101 in the main section of the ONA Services User Guide for the July 1996 update and later.

**Order Entry Service (8011)**

This capability delivers to an ESP the ANI of callers to certain telephone numbers along with the called number. **The call is not delivered to the ESP.** The ANI and called number are forwarded by the telephone company via a private line data link. This capability currently supports cable television pay-per-view applications. The ANI identifies which client ordered the service and the called number indicates which service (television broadcast) was ordered.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Order Entry Service | USW - ANI Order Entry Service | BSE |

References: not available.

This service, if offered as a BSE, is associated with the Dedicated Network Access Link basic serving arrangement.

**Initial Address Message (2006)**

Signaling System Seven (SS7) provides out of band transmission of SS7 protocol signaling information between the end office switching system or the tandem office switching system and the customer's designated premises. The SS7 Signaling option requires the customer to purchase Signal Transfer Point Access and the Basic Initial Address Message Delivery option. This feature is available in SS7 signaling equipped end or tandem offices with Feature Group D and terminating Feature Group B.

The Initial Address Message provides the ESP a common switching optional feature using an SS7 message along with other information relating to the routing and handling of the call to the next switch.

The Initial Address Message Delivery option requires the customer to purchase Signal Point Access and SS7 Signaling option.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Initial Address Message | AM - Initial Address Message | BSE |

FEATURE OPERATION:

This Initial Address Message option permits the following optional SS7 signaling call setup parameters: User Service Information, Called Party Number, Calling Party Number, Charge Number, Originating Line Information, Transit Network Selection, Carrier Selection, Service Code and Access Transport.

User Service Information is an SS7 Parameter which may be coded to indicate any one of four circuit mode bearer points for addressing ISDN customer premises equipment.

The Called Party Number parameter is the called directory number delivery.

Calling Party Number is available on a direct SS7 equipped end office connection or a connection to the access tandem when there is not Multifrequency and SS7 signaling interworking.

The Charge Number parameter is the Automatic Number Identification number (ANI). (See Calling Billing Number Delivery - FG D Protocol).

Originating Line Information parameter via SS7 is equivalent to the information digits provided with ANI digits to an interexchange carrier. This data identifies the following items: that (1) the originating telephone number is the station billing number, no special treatment is required, (2) it is a multiparty line - the telephone number is a four/eight-party line and cannot be identified - number must be obtained by operator or some other manner, (3) and ANI failure has occurred, (4) this is a hotel/motel originating call, (5) this is a coinless station, hospital, inmate, etc. call requiring special screening or handling, (6) the call is an Automatic Identified Outward Dialed (AIOD) call from customer premises equipment (CPE).

Transit Network Selection is an SS7 parameter which indicates to an intermediate node or network which carrier and circuit group is to be selected.

Carrier Selection is an SS7 parameter which identifies whether the originating line is presubscribed to an interexchange carrier or not. If the line was presubscribed this parameter will report if the end user dialed 10XXX (and/or 101XXXX), did not dial 10XXX (and/or 101XXXX), or that no indication of dialing is available.

Service Code is an SS7 parameter which allows individual calls to be identified and routed based on specific service characteristics.

Access Transport is an SS7 parameter used to transport ISDN user information across the network. This information is transparent to the local exchange carrier.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

| **Switch Type** | **1A ESS** | **5ESS** | **DMS-100** |
|---|---|---|---|
| Earliest Generic Release | 1AE11 | 5E6 | BCS30 |

2. References:

   - Ameritech Technical reference AM-TR-OAT-000069, Issue 3, August 1993 - Ameritech Supplement Common Channel Signaling (CCS) Network Interface Specification.

   - Technical Reference GR-317, Issue 2, December 1997 - Switching System Generic Requirements for Call Control Using the Integrated Services Digital Network User Part (ISDNUP) (replaces TR-NWT-000317, Issue 4).

   - Technical Reference GR-394, Issue 2, December 1997 - Switching System Generic Requirements for Interexchange Carrier Interconnection Using the Integrated Services Digital Network User Part (ISDNUP), (module of LSSGR FR-64) (replaces TR-NWT-000394, Issue 4).

   - Technical Reference GR-905, Issue 2, December 1996, Revision 1 - December 1997 - Common Channel Signaling Network Interface Specification (CCSNIS) Supporting Network Interconnection, Message Transfer Part (MTP), and ISDN User Part (ISDNUP) (replaces TR-TSV-000905, Issue 2).

This service, if offered as a BSE, is associated with the Dedicated Network Access Link BSA.

**Coordinated Voice and Data Acceptance (2007)**

Coordinated Voice and Data Acceptance allows for the simultaneous delivery of voice and data for incoming calls. Additional caller information may be requested to provide information to the agent line, however, this is determined by the host computer application. If the customer wants the capability of having the host computer send the customer information automatically to the agents' lines, then Caller ID must be ordered on the Automatic Call Distributor centrex line.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Coordinated Voice and Data Acceptance | AM - Coordinated Voice and Data Acceptance | BSE |

FEATURE OPERATION:

The Dedicated Network Access Link (DNAL) BSA allows the coordinated delivery of voice and data information for incoming and outgoing calls between a customer's host computer and the telephone company. The Coordinated Voice and Data Acceptance feature accommodates, via the exchange of data messages on the DNAL, various feature interactions between the ESP's host computer and the telephone company. Features that may interact with a host computer using this feature include Computer Assisted Dialing Acceptance, Call Redirection Acceptance, and Computer Assisted Call Transfer Acceptance.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

| Switch Type | DMS-100 |
|---|---|
| Earliest Generic Release | BCS33 |

2. Currently, this feature is only available on lines served by an Automatic Call Distributor in the DMS-100 equipped with the Switch Computer Application Interface functionality.

3. References:

   - Ameritech Technical reference AM-TR-NIS-000109, Ameritech Switch to Computer Application Interface (ASCAI) Network Interface Specifications, Issue 1, October 1992.

This service, if offered as a BSE, is associated with the Dedicated Network Access Link Type BSA.

**Computer Assisted Dialing Acceptance (2010)**

Computer Assisted Dialing Acceptance allows the customer's host computer to notify the telephone company equipment to place a call to a selected number on behalf of a particular agent. The computer dials the number and when the call is answered then the called party is connected to an agent. Customers using this feature must comply with the provisions of the Telephone Consumer Protection Act of 1991 as set forth in Part 64 and Part 68 of the Federal Communication Commission's Rules.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Computer Assisted Dialing Acceptance | AM - Computer Assisted Dialing Acceptance | BSE |

FEATURE OPERATION:

The Dedicated Network Access Link (DNAL) BSA allows the coordinated delivery of voice and data information for incoming and outgoing calls between a customer's host computer and the telephone company. The Computer Assisted Dialing Acceptance feature accommodates, via the exchange of data messages on the DNAL, the dialing of the called number with presenting an answered call to the agent's telephone in conjunction with the agent's host computer presentation of customer or subject specific data to the agent's computer terminal. Only calls receiving an answer condition will be presented to the agent.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

| Switch Type | DMS-100 |
|---|---|
| Earliest Generic Release | BCS33 |

2. Currently, this feature is only available on lines served by an Automatic Call Distributor in the DMS-100 equipped with the Switch Computer Application Interface functionality.

3. References:

   - Ameritech Technical reference AM-TR-NIS-000109, Ameritech Switch to Computer Application Interface (ASCAI) Network Interface Specifications, Issue 1, October 1992.

This service, if offered as a BSE, is associated with the Dedicated Network Access Link Type BSA.

**Computer Assisted Call Transfer Acceptance (2009)**

Computer Assisted Call Transfer Acceptance allows the customer's host computer to notify the telephone company equipment to transfer a call after the call has been delivered to an agent.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Computer Assisted Call Transfer Acceptance | AM - Computer Assisted Call Transfer Acceptance | BSE |

FEATURE OPERATION:

The Dedicated Network Access Link (DNAL) BSA allows the coordinated delivery of voice and data information for incoming and outgoing calls between a customer's host computer and the telephone company. The Computer Assisted Call Transfer Acceptance feature accommodates, via the exchange of data messages on the DNAL, the transferring of calls between agents. The calls may be transferred at any time during the interaction with the customer.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

| Switch Type | DMS-100 |
|---|---|
| Earliest Generic Release | BCS33 |

2. Currently, this feature is only available on lines served by an Automatic Call Distributor in the DMS-100 equipped with the Switch Computer Application Interface functionality.

3. References:

   - Ameritech Technical reference AM-TR-NIS-000109, Ameritech Switch to Computer Application Interface (ASCAI) Network Interface Specifications, Issue 1, October 1992.

This service, if offered as a BSE, is associated with the Dedicated Network Access Link Type BSA.

**Call Redirection Acceptance (2008)**

Call Redirection Acceptance allows the customer's host computer to notify the telephone company equipment to allow the call to complete as dialed or redirect an incoming call to an alternate number within the customer's Automatic Call Distributor (ACD) group prior to the call being accepted by an agent.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Call Redirection Acceptance | AM - Call Redirection Acceptance | BSE |

FEATURE OPERATION:

The Dedicated Network Access Link (DNAL) BSA allows simultaneous delivery of voice and data information for incoming and outgoing calls. The Call Redirection Acceptance feature interacts with the agent's host computer which may direct the telephone company equipment, via the exchange of data messages on the DNAL, to deliver an incoming call to an agent selected by the host computer. The host computer could have the capability to simultaneously deliver the calling party's personal data to the agent's computer terminal at the same time the call is delivered to the agent's telephone.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

| Switch Type | DMS-100 |
|---|---|
| Earliest Generic Release | BCS33 |

2. Currently, this feature is only available on lines served by an Automatic Call Distributor in the DMS-100 equipped with the Switch Computer Application Interface functionality.

3. References:

   - Ameritech Technical reference AM-TR-NIS-000109, Ameritech Switch to Computer Application Interface (ASCAI) Network Interface Specifications, Issue 1, October 1992.

This service, if offered as a BSE, is associated with the Dedicated Network Access Link Type BSA.

**Video Dialtone Broadcast Service Channels (3011)**

A Video Dialtone Service that provides for the transport of video and other programming signals.

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Video Dialtone Broadcast Channels | BA - VDT - Broadcast Channels | BSE |

FEATURE OPERATION:

Video Dialtone Broadcast Service Channels provides a Programmer-Customer with transport of 6 Mbps MPEG2 formatted digital signals from the Video Distribution Office to all end-user subscribers within the service area.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

For interface publications, see Bell Atlantic Technical Publications TR-72550 and TR-72211.

Also see BroadBand Technologies Technical Publication TESP-0106. Contact information for BroadBand Technologies, Inc.:

BroadBand Technologies, Inc.

Suite 150, Triangle Business Center

4024 Stirup Creek Drive

Durham, NC 27703

Post Office Box 13737

Research Triangle Park, NC 27709-3737

Telephone: 919 544-0015

Fax: 919 544-5356

This service is offered where available and facilities permit.

**Video Dialtone Messaging Port (3013)**

A Video Dialtone Service that provides for the transport of video and other programming signals

| Generic Name of ONA Service | Product Name | BSE or CNS |
|---|---|---|
| Video Dialtone Messaging Port Service Channels | BA - VDT - Messaging Port | BSE |

FEATURE OPERATION:

Video Dialtone Messaging Port allows the Programmer-Customer to: 1) provide text message overlays on associated broadcast or narrowcast channels; or 2) specify designated broadcast or narrowcast channels that allow individual end-user subscribers to initiate interactive text sessions.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

For interface publications, see Bell Atlantic Technical Publications TR-72550 and TR-72211.

This service is offered where available and facilities permit.

**Video Dialtone Narrowcast Service Channels (3012)**

A Video Dialtone Service that provides for the transport of video and other programming signals.

| Generic Name of ONA Service | Product Name | BS or CNS |
|---|---|---|
| Video Dialtone Narrowcast Service Channels | BA - VDT - Narrowcast Service Channels | BSE |

FEATURE OPERATION:

Video Dialtone Narrowcast Service Channels provides a Programmer-Customer with transport of 6 Mbps MPEG2 formatted digital signals from the Video Distribution Office to end-user subscribers located in cells selected by the Programmer-Customer.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

For interface publications, see Bell Atlantic Technical Publications TR-72550 and TR-72211.

Also see BroadBand Technologies Technical Publication TESP-0106. Contact information for BroadBand Technologies, Inc.:

BroadBand Technologies, Inc.

Suite 150, Triangle Business Center

4024 Stirup Creek Drive

Durham, NC 27703

Post Office Box 13737

Research Triangle Park, NC 27709-3737

Telephone: 919 544-0015

Fax: 919 544-5356

This service is offered where available and facilities permit.

# APPENDIX 2

## July 31, 1998

Updated 7/31/98

# APPENDIX 2: BOC ONA CONTACTS

| Regional Company | Name<br>Address | Phone |
|---|---|---|
| **Ameritech Services, Inc.** | **ESP Hot Line** | **800-451-5283** |
| **Bell Atlantic** | **Wayne Chiles**<br>**Bell Atlantic**<br>**1310 N. Court House Road,**<br>**Arlington, VA 22201** | **703-974-5939**<br>**FAX 703-974-0616** |
| **BellSouth Services** | **Cindy Ford** | **404-420-8403** |
| **NYNEX** | **Wayne Chiles**<br>**Bell Atlantic**<br>**1310 N. Court House Road,**<br>**Arlington, VA 22201** | **703-974-5939**<br>**FAX 703-974-0616** |
| **Pacific Bell** | **ESP OUTREACH** | **1-800-300-6230** |
| **Southwestern Bell Telephone** | **Carey Caldwell**<br>**Southwestern Bell Telephone**<br>**4 Bell Plaza, Room 1830.08**<br>**Dallas, TX 75202** | **214-858-0593**<br>**FAX 214-858-0775** |
| **U S WEST Communications** | **Interconnection Service Center** | **800-544-7126** |

# APPENDIX 3

## July 31, 1998

# BSA MATRIX - JULY 1998

The following report shows the relationship between the Basic Serving Arrangements (BSAs) and the Basic Service Elements (BSEs) included in the ONA Services User Guide Service Description Section issued July 31, 1998. This report was created to respond to a request from the Information Industry Liaison Committee (IILC), documented in IILC Issue #035.

The first matrix is a summary of the first section of the ONA Services User Guide Service Descriptions Section. It lists the generic name for each BSA with each LEC's name for the BSA (if the LEC company is offering it).

The matrices that follow list each of the generic BSA names, with a table entry of "BSA" for each LEC offering it. Then the generic name of each ONA service available with that BSA is listed, with an entry of "BSE" for BSE or "BSA" if the LEC has indicated that the service is available with the BSA but not as a separate BSE option. These matrices do not include the Complementary Network Services (CNS) or any region specific services.

# BSA NAMES & LEC BSA NAME REFERENCES

| GENERIC NAME OF BSA | LEC BSA NAME |
|---|---|
| Category 1, Type A - Circuit Switched Line BSA | AM - Circuit Switched Line<br>BA - Business Individual Line<br>BA - Line Side BSA<br>BS - Voice Grade - Line - Circuit Switched<br>NX - Circuit Switched - Line<br>PB - Access Line Arrangement<br>SWB - Circuit Switched - Line Side Basic Serving Arrangement (BSA-A)<br>USW - Voice Grade - Line - Circuit Switched |
| Category 1, Type B - Circuit Switched Trunk BSA | AM - Circuit Switched Trunk<br>BA - Trunkside BSA - 950 Option<br>BA - Trunkside BSA - 10XXX Option<br>BS - Circuit Switched Trunk - Voice Grade<br>NX - Circuit Switched Trunk<br>PB - Access Trunk Arrangement (950)<br>PB - Access Trunk Arrangement (10XXX)<br>SWB - Circuit Switched - Trunk Side Alternative B BSA (BSA-B)<br>SWB - Circuit Switched - Trunk Side Alternative D BSA (BSA-D)<br>USW - Voice Grade - Trunk - Circuit Switched |
| Category 2, Type A - X.25 Packet Switched BSA | AM - Packet Switched Network Service (X.25)<br>BA - Public Data Network: X.25<br>BS - PulseLink® Packet Switching - X.25<br>NX - INFOPATH® Packet Switching Service<br>PB - Public Packet Switching (X.25)<br>SWB - Packet Switched - MicroLink II℠ (X.25 Version)<br>USW - Packet Switching (X.25) |

® PulseLink is a registered trademark of BellSouth.
® INFOPATH is a registered service mark of NYNEX.
℠ MicroLink II is a registered service mark of Southwestern Bell Telephone.

| GENERIC NAME OF BSA | LEC BSA NAME |
|---|---|
| Category 2, Type B - X.75 Packet Switched BSA | AM - Packet Switched Network Service (X.75)<br>BA - Public Data Network: X.75<br>BS - PulseLink® Packet Switching - X.75<br>NX - INFOPATH® Packet Switching Service<br>PB - Public Packet Switching (X.75)<br>SWB - Packet Switched - MicroLink II℠ (X.75 Version)<br>USW - Packet Switching (X.75) |
| Category 3, Type A - Dedicated Metallic BSA | BA - Dedicated Metallic<br>NX - Dedicated - Metallic<br>PB - Metallic Service<br>SWB - Special Access - Metallic<br>USW - Analog PLS - DCCS |
| Category 3, Type B - Dedicated Telegraph BSA | BA - Dedicated Telegraph<br>NX - Dedicated - Telegraph Grade<br>PB - Telegraph Grade Service<br>USW - Analog PLS - LSDS |
| Category 3, Type C - Dedicated Voice Grade BSA | AM - Direct Analog<br>BA - Dedicated Voice-Grade<br>BS - Dedicated - Private Line<br>NX - Dedicated - Voice Grade<br>PB - Voice Grade Service<br>SWB - Special Access - Voice Grade<br>USW - Analog PLS - VGS |

® PulseLink is a registered trademark of BellSouth.

® INFOPATH is a registered service mark of NYNEX.

℠ MicroLink II is a registered service mark of Southwestern Bell Telephone.

| GENERIC NAME OF BSA | LEC BSA NAME |
|---|---|
| Category 3, Type D - Dedicated Program Audio BSA | AM - Dedicated Program Audio<br>BA - Dedicated Program Audio<br>BS - Dedicated Program Audio<br>NX - Dedicated - Program Audio<br>PB - Program Audio Service<br>SWB - Special Access - Program Audio<br>USW - Analog PLS - AS |
| Category 3, Type E - Dedicated Video BSA | AM - Dedicated Video<br>BA - Dedicated Video Service<br>BS - Dedicated Video<br>NX - Dedicated - Video<br>PB - Video Service<br>SWB - Special Access - Video<br>USW - Analog PLS - VS |
| Category 3, Type F - Dedicated Digital (< 64 kbps) BSA | AM - Ameritech Base Rate Services<br>BA - Digital Data Service<br>BS - SynchroNet® /DDS<br>NX - Dedicated - Digital Data<br>PB - Digital Data Service, Private Line Services<br>SWB - Special Access - MegaLink℠ Data<br>USW - Digital Data Service |
| Category 3, Type G - Dedicated High Capacity Digital (1.544 Mbps) BSA | AM - Ameritech DS1 Services<br>BA - High Capacity Digital Service<br>BS - MegaLink® /HiCap<br>NX - Dedicated Digital - 1.544 Mbps<br>PB - High Capacity Services (1.544 Mbps)<br>SWB - Special Access - High Capacity (1.544 Mbps)<br>USW - DS1 Service |

® SynchroNet is a registered service mark of BellSouth.
℠ MegaLink is a service mark of Southwestern Bell Telephone.
® MegaLink is a registered service mark of BellSouth.

| GENERIC NAME OF BSA | LEC BSA NAME |
|---|---|
| Category 3, Type H - Dedicated High Capacity Digital (> 1.544 Mbps) BSA | AM - Ameritech DS3 Services<br>BA - High Capacity/Lightwave Service<br>BS - LightGate®/HiCap<br>NX - Dedicated - Digital - 45 Mbps<br>PB - High Capacity Services (> 1.544 Mbps)<br>SWB - Special Access - High Capacity MegaLink℠ Custom<br>USW - DS3 Service |
| Category 3, Type I - Dedicated Alert Transport BSA | BA - REACT℠<br>BS - WATCHALERT®<br>NX - PULSENET℠ Alert Transport Service<br>PB - POLLSTAR℠ DLC Security Transport |
| Category 3, Type J - Dedicated Derived Channel BSA | BA - Dedicated Derived Channel<br>BS - Derived Data Channel Service<br>NX - DOVPATH® Transport Service<br>SWB - DovLink℠<br>USW - Simultaneous Voice and Data Service |
| Category 3, Type K - Dedicated Digital (64 kbps) BSA | AM - Ameritech Base Rate Service<br>BA - Digital Data Service 64 KBS<br>BS - DS-0 Transport Facilities<br>NX - (see NYNEX note 1)[1]<br>USW - Digital Data Service - 64 Kbps |

® LightGate is a registered service mark of BellSouth.
℠ REACT is a service mark of Bell Atlantic.
® WATCHALERT is a registered service mark of BellSouth.
℠ PULSENET is a service mark of NYNEX.
℠ POLLSTAR is a service mark of Pacific Bell.
® DOVPATH is a registered service mark of NYNEX.
℠ DovLink is a service mark of Southwestern Bell Telephone.
[1] NYNEX note 1: NYNEX offers 64 Kbps service associated with the Dedicated High Capacity Digital (1.544 Mbps) BSA.

| GENERIC NAME OF BSA | LEC BSA NAME |
|---|---|
| Category 4 - Dedicated Network Access Link BSA | AM - Dedicated Network Access Link<br>AM - Type A-Signal Transfer Point Access (STP)<br>AM - Type B-Circuit Switch Facility Control (CSFC)<br>AM - Type C-Simplified Message Desk Interface (SMDI)<br>AM - Type D-Simplified Message Desk Interface-Expanded (SMDI-E)<br>AM - Type E-Ameritech Reconfiguration Service<br>AM - Type F-Alarm Service<br>AM - Type G-Ameritech Switch to Computer Applications (ASCAI)<br>BA - Dedicated Network Access Link<br>BS - Private Line/Special Access<br>NX - (see NYNEX note 2)[2]<br>PB - Dedicated Network Access Link<br>SWB - Special Access - Metallic<br>SWB - Special Access - Voice Grade<br>SWB - Switched Access Dedicated Network Access Link<br>USW - Analog PLS |

[2] NYNEX note 2: NYNEX offers dedicated channels for specific network information or network control information as part of the appropriate BSA or BSE that provides the specific capability.

MATRIX of BSAs & RELATED BSEs

| CATEGORY 1, TYPE A - CIRCUIT SWITCHED LINE BSA | AM | BA | BS | NX | PB | SWB | USW |
|---|---|---|---|---|---|---|---|
| GENERIC NAME OF ONA SERVICE | | | | | | | |
| Answer Supervision With A Line Side Interface | BSE | BSE | BSE | | BSE | | BSE |
| Automatic Callback | | | | | BSE | | |
| Call Detail Recording Reports | BSE | BSE | BSE | BSE | | | BSE |
| Called Directory Number Delivery via DID | | BSE | BSE | BSE | BSE | | BSE |
| Calling Directory Number Delivery - via ICLID | | BSE | | | BSE | | BSE |
| Carrier Selection On Reverse Charge | | BSE | BSA | BSE | BSA | | |
| Calling DN Delivery - via BCLID | | BSE | BSE | | | | BSE |
| Coin Phone With Post Dialing Tone Capability | | BSA | BSA | | | | BSA |
| Cut Off On Disconnect | | BSA | BSA | BSA | | | |
| DID Trunk Queuing | | BSE | | | BSE | | |
| Faster Signaling On DID | | BSE | BSE | BSE | | | BSA |
| Hot Line | | | | BSE | | | |
| Make Busy Key | BSE | BSE | BSE | BSE | BSE | | BSE |
| Message Desk (SMDI) | BSE | BSE | BSE | BSE | BSE | | BSE |
| Message Waiting Indicator- Activation (Audible) | | BSE | BSE | BSE | BSE | | BSE |
| Multiline Hunt Group | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| Multiline Hunt Group - C. O. Announcements | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| Multiline Hunt Group - Individual Access To Each Port In Hunt Group | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| Multiline Hunt Group - Overflow | BSE | BSE | BSE | BSE | BSE | | BSE |
| Multiline Hunt Group - Uniform Call Distribution Line Hunting | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| Multiline Hunt Group - UCD With Queuing | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| Reverse Billing On Circuit Switched Access | BSE | | BSE | | | | |
| Route Diversity | BSE | | | | | BSE | |

| CATEGORY 1, TYPE A - CIRCUIT SWITCHED LINE BSA | AM | BA | BS | NX | PB | SWB | USW |
|---|---|---|---|---|---|---|---|
| GENERIC NAME OF ONA SERVICE | | | | | | | |
| Selective Call Forwarding | | | | | BSE | | |
| Selective Call Rejection | | | | | BSE | | |
| Three Way Call Transfer | BSE | BSE | BSE | BSE | BSE | | BSE |
| Uniform 7 Digit Access Number - Remote Call Forwarding | | BSE | | | | | |
| Uniform 7 Digit Access Number via Overlay Networking | | | BSE | | | | |
| Warm Line | | | | BSE | | | |

| CATEGORY 1, TYPE B - CIRCUIT SWITCHED TRUNK BSA | AM | BA | BS | NX | PB | SWB | USW |
|---|---|---|---|---|---|---|---|
| GENERIC NAME OF ONA SERVICE | | | | | | | |
| Alternate Routing | BSA* | BSE | BSE | BSE | BSA | BSE | BSE |
| Call Detail Recording Reports | BSE | BSE | BSE | | | | BSE |
| Called Directory Number Delivery via DID | | BSE | BSE | BSE | BSE | | BSE |
| Called Directory Number Delivery via 900NXX | BSE | | | BSE | | BSA | |
| Calling Billing Number Delivery - FG B Protocol | | BSE | BSE | BSE | | | BSE |
| Calling Billing Number Delivery - FG D Protocol | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| Carrier Selection On Reverse Charge | BSA** | BSE | BSA | BSE | BSA | | BSA |
| Coin Phone With Post Dialing Tone Capability | | | BSA | | | | |
| DID Trunk Queuing | | BSE | | | BSE | | BSE |
| Faster Signaling On DID | | | BSE | BSE | | | BSA |
| Flexible ANI Information Digits | BSE | BSE | BSE | BSE | | | BSE |
| Route Diversity | BSE | | | | | BSE | |
| Tandem Routing | BSA** | BSE | BSE | BSA | BSA | | BSA |

* Ameritech offers this as a BSA feature.

** For Ameritech, this is a Circuit Switched Trunk BSA alternative.

| CATEGORY 2, TYPE A - X.25 PACKET SWITCHED BSA | AM | BA | BS | NX | PB | SWB | USW |
|---|---|---|---|---|---|---|---|
| GENERIC NAME OF ONA SERVICE | | | | | | | |
| Call Detail Recording Reports (Packet) | BSE | BSE | | BSE | | BSE | BSE |
| Call Redirection - Packet | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| Closed User Groups - Packet | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| Direct Call - Packet | | | BSE | BSE | | | |
| Fast Select Acceptance - Packet | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| Fast Select Request - Packet | | | BSE | BSE | BSE | BSE | BSE |
| Hunt Groups - Packet | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| Menu Access Translator- Gateway | | | | | | | BSE |
| Message Waiting Indicator - Packet Access | | | | | | BSE | |
| Preselection for Data Services | | BSE | BSE | BSE | BSE | | |
| Reverse Charge Acceptance - Packet | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| Route Diversity | BSE | | | | | BSE | |

| CATEGORY 2, TYPE B - X.75 PACKET SWITCHED BSA | AM | BA | BS | NX | PB | SWB | USW |
|---|---|---|---|---|---|---|---|
| GENERIC NAME OF ONA SERVICE | | | | | | | |
| Call Detail Recording Reports (Packet) | BSE | BSE | | BSE | | BSE | BSE |
| Call Redirection - Packet | | | | BSE | BSE | BSE | BSE |
| Closed User Groups - Packet | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| Fast Select Acceptance - Packet | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| Fast Select Request - Packet | | | BSE | BSE | BSE | BSE | BSE |
| Hunt Groups - Packet | | BSE | | BSE | BSE | BSE | |
| Menu Access Translator- Gateway | | | | | | | BSE |
| Message Waiting Indicator - Packet Access | | | | | | BSE | |
| Preselection for Data Services | | BSE | BSE | BSE | BSE | | |
| Reverse Charge Acceptance - Packet | | BSE | BSE | BSE | BSE | BSE | BSE |
| Route Diversity | BSE | | | | | BSE | |

| CATEGORY 3, TYPE A - DEDICATED METALLIC BSA | AM | BA | BS | NX | PB | SWB | USW |
|---|---|---|---|---|---|---|---|
| GENERIC NAME OF ONA SERVICE | | | | | | | |
| Bridging | | BSE | | BSE | BSE | BSE | BSE |
| Route Diversity | | BSE | | BSE | | BSE | |

| CATEGORY 3, TYPE B - DEDICATED TELEGRAPH BSA | AM | BA | BS | NX | PB | SWB | USW |
|---|---|---|---|---|---|---|---|
| GENERIC NAME OF ONA SERVICE | | | | | | | |
| Bridging | | BSE | | BSE | BSE | | BSE |
| Route Diversity | | BSE | | BSE | | | |

| CATEGORY 3, TYPE C - DEDICATED VOICE GRADE BSA | AM | BA | BS | NX | PB | SWB | USW |
|---|---|---|---|---|---|---|---|
| GENERIC NAME OF ONA SERVICE | | | | | | | |
| Bridging | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| Conditioning | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| Network Reconfiguration | | | | BSE | BSE | | |
| Route Diversity | BSE | BSE | | BSE | | BSE | |

| CATEGORY 3, TYPE D - DEDICATED PROGRAM AUDIO BSA | AM | BA | BS | NX | PB | SWB | USW |
|---|---|---|---|---|---|---|---|
| GENERIC NAME OF ONA SERVICE | | | | | | | |
| Bridging | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| Route Diversity | BSE | BSE | | | | BSE | |

| CATEGORY 3, TYPE E - DEDICATED VIDEO BSA | AM | BA | BS | NX | PB | SWB | USW |
|---|---|---|---|---|---|---|---|
| GENERIC NAME OF ONA SERVICE | | | | | | | |
| Route Diversity | BSE | BSE | | | | BSE | |

| CATEGORY 3, TYPE F - DEDICATED DIGITAL (< 64 kbps) BSA | AM | BA | BS | NX | PB | SWB | USW |
|---|---|---|---|---|---|---|---|
| GENERIC NAME OF ONA SERVICE | | | | | | | |
| Access To Operations Support Systems Information | | | BSE | | | | |
| Automatic Protection Switching | | BSE | BSE | BSE | BSE | | BSE |
| Bridging | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| Network Reconfiguration | | | | BSE | BSE | | |
| Route Diversity | BSE | BSE | | BSE | | BSE | |
| Secondary Channel Capability | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| Statistical Multiplexer | | BSE | | | | | |

| CATEGORY 3, TYPE G - DEDICATED HIGH CAPACITY DIGITAL (1.544 Mbps) BSA | AM | BA | BS | NX | PB | SWB | USW |
|---|---|---|---|---|---|---|---|
| GENERIC NAME OF ONA SERVICE | | | | | | | |
| Access To Clear Channel Transmission | BSE | BSE | BSA | BSE | BSE | BSE | BSE |
| Automatic Protection Switching | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| Extended Superframe Conditioning | BSE | BSA | BSA | BSA | | BSE | BSA |
| Network Reconfiguration | BSE | BSE | | BSE | BSE | BSE | BSE |
| Route Diversity | BSE | BSE | | BSE | | BSE | |

| CATEGORY 3, TYPE H - DEDICATED HIGH CAPACITY DIGITAL (> 1.544 Mbps) BSA | AM | BA | BS | NX | PB | SWB | USW |
|---|---|---|---|---|---|---|---|
| GENERIC NAME OF ONA SERVICE | | | | | | | |
| Automatic Protection Switching | | BSE | BSE | BSE | BSE | BSE | |
| Network Reconfiguration | | | BSE | BSE | BSE | | BSE |
| Route Diversity | BSE | BSE | | BSE | | BSE | |

| CATEGORY 3, TYPE I - DEDICATED ALERT TRANSPORT BSA | AM | BA | BS | NX | PB | SWB | USW |
|---|---|---|---|---|---|---|---|
| GENERIC NAME OF ONA SERVICE | | | | | | | |
| Route Diversity | | BSE | | BSE | | | |
| Verify Integrity of Subscriber Lines | | | | BSA | BSE | | |

| CATEGORY 3, TYPE J - DEDICATED DERIVED CHANNEL BSA | AM | BA | BS | NX | PB | SWB | USW |
|---|---|---|---|---|---|---|---|
| GENERIC NAME OF ONA SERVICE | | | | | | | |
| Data Over Voice (DOV) Service | | BSA | | BSA | | | BSA |
| Route Diversity | | BSE | | BSE | | BSE | |

| CATEGORY 3, TYPE K - DEDICATED DIGITAL (64 Kbps) BSA | AM | BA | BS | NX* | PB | SWB | USW |
|---|---|---|---|---|---|---|---|
| GENERIC NAME OF ONA SERVICE | | | | | | | |
| Route Diversity | BSE | | | | | | |

* NYNEX note: NYNEX offers 64 Kbps service associated with the Dedicated High Capacity Digital (1.544 Mbps) BSA.

| CATEGORY 4 - DEDICATED NETWORK ACCESS LINK BSA | AM | BA | BS | NX* | PB | SWB | USW |
|---|---|---|---|---|---|---|---|
| GENERIC NAME OF ONA SERVICE | | | | | | | |
| Calling Directory Number Delivery - via BCLID | | BSE | BSE | | BSE | | BSE |
| Make Busy Key | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| Message Desk (SMDI) | BSE | BSE | BSE | BSE | BSE | BSE | BSE |
| Message Desk (SMDI) - Expanded | BSE | | | | | BSE | BSE |
| Message Waiting Indicator - Activation (Audible) | BSE | BSE | BSE | BSE | BSE | | BSE |
| Message Waiting Indicator - Activation (Audible) - Expanded | BSE | | | | | | BSE |
| Message Waiting Indicator - Activation (Visual) | | | BSE | | BSE | | BSE |
| Network Reconfiguration | BSE | BSE | BSE | BSE | BSE | | BSE |
| Route Diversity | BSE | BSE | | | | BSE | |
| Verify Integrity of Subscriber Lines | BSE | | | | BSE | | |

* NYNEX note: NYNEX offers dedicated channels for specific network information or network control information as part of the appropriate BSA or BSE that provides the specific capability.